

BB-6470

3/27/86



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

006223

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MAR 27 1986

MEMORANDUM

SUBJECT: EPA File Symbol 464-LOU
Grazon ET Herbicide
EPA Registration No. 464-554
Garlon 4 Herbicide

FROM: Mary L. Waller
Technical Support Section
Fungicide-Herbicide Branch
Registration Division (TS-767C)

TO: Robert Taylor, PM 25
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Registration Division (TS-767C)

new 4/15 = 4/15/86

Applicant: The Dow Chemical Co.
P.O. Box 1706
Midland, MI 48640

BACKGROUND:

The registrant has submitted a letter clarifying questions raised in June 3, 1985 Agency review on 464-554 and 464-589. The registrant has also referenced an acute inhalation toxicity study (Accession Number 242580) to support registration of 464-554 and 464-LOU (registered as 464-594 on April 16, 1985). The method of support was not indicated.

RECOMMENDATION:

1. The June 3, 1985 FHB/TSS review of a dermal sensitization study required the registrant to identify the product tested (464-589 or 464-554). In a letter dated July 26, 1985, the registrant identified the product tested as 464-554 which is identical to 464-594; therefore, FHB/TSS finds the dermal sensitization study reviewed on June 3 acceptable to support registration of 464-554 and 464-594.

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2. FHB/TSS finds the acute inhalation toxicity study (Accession No. 242580) conducted on 464-554 acceptable to support registration of 464-554 and 464-594. The study was classified as core guideline based on the registrant's statement in a July 26, 1985 letter that the study was conducted at the maximum attainable concentration. The signal word is "CAUTION."

LABELING:

1. Expand the Precautionary Statement as follows:

Harmful if swallowed, inhaled or absorbed through skin.

2. Add the following sentence to the Precautionary Statements:

Avoid breathing mist or vapors.

3. Remove the following sentence from the Statements of Practical Treatment and place under Precautionary Statements:

Remove and wash contaminated clothing before reuse.

4. If the product bulletin is separate from product label, then all the Precautionary Statements, Statements of Practical Treatment, and the signal word must appear on the product bulletin.

REVIEW:

- (1) Acute Inhalation Toxicity Study: Dow Chemical Toxicology Research Laboratory; Accession No. 242580; May 27, 1980.

PROCEDURE:

Five male and five female rats (CDF strain) were exposed for 4 hours in a glass and stainless steel inhalation chamber to an aerosol of test material gravimetrically measured at 0.82 mg/L. A control group of 5 males and 5 females were exposed to air under identical conditions. Animals were restrained during exposure. Animals were observed daily for 2 weeks and submitted for gross necropsy at study conclusion.

RESULTS:

No deaths occurred and no adverse effects other than transitory nasal irritation was noted. No abnormalities were noted at necropsy.

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STUDY CLASSIFICATION: Core Guideline Data.

TOXICITY CATEGORY: Category III - CAUTION.